PCT/EP03/04008

## WO 03/087815

## 1/5 SEQUENCE LISTING

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Ile Gl	y Arg	Thr 20	Asn	Leu	Ile	Val	Asn 25	Tyr	Leu	Pro	Gln	Asn 30	Met	Thr	
Gln As	p Glu 35	Leu	Arg	Ser	Leu	Phe 40	Ser	Ser	Ile	Gly	Glu 45	Val	Glu	Ser	
Ala Ly 50		Ile	Arg	Asp	Lys 55	Val	Ala	Gly	His	Ser 60	Leu	Gly	Tyr	Gly	
Phe Va 65	l Asn	Tyr	Val	Thr 70	Ala	Lys	Asp	Ala	Glu 75	Arg	Ala	Ile	Asn	Thr 80	
Leu As	n Gly	Leu	Arg 85	Leu	Gln	Ser	Lys ·	Thr 90	Ile	Lys	Val	Ser	Tyr 95	Ala	
Arg Pr	o Ser	Ser 100	Glu	Val	Ile	Lys	Asp 105	Ala	Asn	Leu	Tyr	Ile 110	Ser	Gly	
Leu Pr	o Arg 115	Thr	Met	Thr	Gln	Lys 120	Asp	Val	Glu	Asp	Met 125	Phe	Ser	Arg	
Phe Gl 13		Ile	Ile	Asn	Ser 135	Arg	Val	Leu	Val	Asp 140	Gln	Thr	Thr	Gly	
Leu Se 145	r Arg	Gly	Val	Ala 150	Phe	Ile	Arg	Phe	Asp 155	Lys	Arg	Ser	Glu	Ala 160	
Glu Gl	u Ala	Ile	Thr 165	Ser	Phe	Asn	Gly	His 170	Lys	Pro	Pro	Gly	Ser 175	Ser	

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Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn 180 185

Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg $^{
m J}$ Phe Gly 200 205

Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly 215

Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala 230 235

Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp 245 250

Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn 265

Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly 285

Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser

Leu Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys 305 310 315

Thr Asn Lys Ser His Glu 325

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Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe

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Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu 65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg 85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu
100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe 115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu 130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu 145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu 165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn Val 180 185 190

Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly Gly 195 200 205

Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly Val 210 215 220

Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala Ser 225 230 235 240

Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp Glu 245 250 255

Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn Val 260 265 270

Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly Phe 275 280 285

Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser Leu 290 295 300

Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys Thr 305 310 315 320

Asn Lys Ser His Glu 325

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Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr 25

Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser

Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly

Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr

Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala

Arg Pro Ser Ser Glu Val Ile Lys Asp. Ala Asn Leu Tyr Ile Ser Gly 100 105

Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg 115 120

Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly 130 135 140

Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala 145 150 155

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser 165 170 175

Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln 180 185

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<211> 188 <212> PRT

5/5

<213> human T-lymphocytes

<400> 4

Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile 1 5 10 15

Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln 20 25 30

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala 35 40 45

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe 50 55 60

Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu 65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg 85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu 100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe 115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu 130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu 145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu 165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln 180 185